

Revision nr.2 Dated 01/12/2021 Printed on 01/12/2021 Page n. 1 / 12 Replaced revision:1 (Dated 29/11/2021) ΕN

## **Safety Data Sheet**

According to Annex II to REACH - Regulation 2020/878

1. Product identifier								
Code:		ClimaTop B	Basic K10-K15_2021					
Product name		ClimaTop Basic K10-K15						
2. Relevant identified	uses of the substance of	or mixture and us	ses advised against					
Intended use		Acrylic rein form	forced ready-to-use wa	ater-repellent decorative finishing render in pasty				
.3. Details of the supp	lier of the safety data sh	leet						
Name		DRUCKFAR	RBEN HELLAS SA					
Full address		Megaridos						
District and Country		193 00	Aspropyrgos Greece	(Attiki)				
		Tel.	+30 210 5519500					
		Fax	+30 210 5519501					
e-mail address of the responsible for the Sa		psafety@dr	uckfarben.gr					
.4. Emergency telepho	one number							
For urgent inquiries re	efer to	+30 210 779	93777					
The product is classifi and supplements). Th	e product thus requires a	safety datasheet	that complies with the pr	ation 1272/2008 (CLP) (and subsequent amendments rovisions of (EU) Regulation 2020/878.				
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## SECTION 2. Hazards identification .../

## 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration >= 0.1%.

## **SECTION 3. Composition/information on ingredients**

#### 3.2. Mixtures

Contains:			
Identification	x = Con	c. % Clas	sification 1272/2008 (CLP)
2-Aminoetha	nol		
CAS	141-43-5	0 ≤ x < 0,5	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318
EC	205-483-3		STA Oral: 500 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation gas: 4500 ppm, STA Inhalation mists/powders: 1,5 mg/l, STA Inhalation vapours: 11 mg/l
INDEX		• • • • • • • •	
REACH Reg.	01-2119486455-2	8-XXXX	
CAS	niazol-3(2H)-one 2634-33-5	$0 \le x \le 0.05$	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317,
CAS	2034-33-3	0 = X < 0,05	Aquatic Acute 1 H400 M=1
EC	220-120-9		Skin Sens. 1 H317: ≥ 0,05%
INDEX	613-088-00-6		LD50 Oral: 1150 mg/kg
Pyrithione Zin	nc		
CAS	13463-41-7	0 ≤ x < 0,025	Acute Tox. 3 H301, Acute Tox. 3 H331, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=10
EC INDEX	236-671-3		LD50 Oral: 269 mg/kg, STA Inhalation mists/powders: 0,501 mg/l
REACH Reg.	01-2119511196-4	6-XXXX	
2-(2-Butoxyet	thoxy)ethanol		
CAS	112-34-5	$0 \le x \le 0,5$	Eye Irrit. 2 H319
EC	203-961-6		
INDEX	603-096-00-8		
•	01-2119475104-4		
	ss of: 5-chloro-2-m	ethyl-4-isothiazolin-3	3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]
(3:1) CAS	55965-84-9	0 ≤ x < 0.0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C
CAS	55965-64-9	$0 \le X \le 0,0015$	H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071
EC	611-341-5		Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1 H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%
INDEX	613-167-00-5		STA Oral: 100 mg/kg, STA Dermal: 50,001 mg/kg, STA Inhalation vapours: 0,501 mg/l

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## **SECTION 4. First aid measures**

## 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

## 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

## 4.3. Indication of any immediate medical attention and special treatment needed

Information not available



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## **SECTION 5. Firefighting measures**

## 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

## 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

## 5.3. Advice for firefighters

## GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## **SECTION 6. Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## **SECTION 7. Handling and storage**

### 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

## 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

## 7.3. Specific end use(s)

Information not available



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## **SECTION 8. Exposure controls/personal protection**

## 8.1. Control parameters

8.1. Control par	ameters	
Regulatory Re	eferences:	
BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία"»
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2020
		2-Aminoethanol
Threshold Li	mit Valuo	

Type	Country	TWA/8h mg/m3	ppm	STEL/15 mg/m3	min ppm	Remarks / Observations
TLV	BGR	2,5	1	7,6	3	SKIN
TLV	GRC	2,5	1	7,6	3	
VLEP	ITA	2,5	1	7,6	3	SKIN
TLV	ROU	2,5	1	7,6	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

2-(2-Butoxyethoxy)ethanol						
Threshold Limit	Value					
Туре	Country	TWA/8h mg/m3	ppm	STEL/15 mg/m3	min ppm	Remarks / Observations
TLV	BGR	67,5	10	101,2	15	
TLV	GRC	67,5	10	101,2	15	
VLEP	ITA	67,5	10	101,2	15	
TLV	ROU	67,5	10	101,2	15	
WEL	GBR	67,5	10	101,2	15	
OEL	EU	67,5	10	101,2	15	
TLV-ACGIH		66	10			INHAL

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

## 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type



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## SECTION 8. Exposure controls/personal protection .../>

B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

## **SECTION 9.** Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Properties	Value		Information
Appearance	liquid		
Colour	white		
Odour	characteristic		
Melting point / freezing point	Not available		Temperature: 0 °C
Initial boiling point	Not available		
Flammability	not flammable		
Lower explosive limit	Not available		
Upper explosive limit	Not available		
· · · · · · · · · · · · · · · · · · ·	> 100 °C		
Auto-ignition temperature	Not available		
Decomposition temperature	Not available		
pH	9		Temperature: 25 °C
Kinematic viscosity	Not available		
Dynamic viscosity	20.000-40.000		Method:Spindle 7 mm @ 50 rpm
			Remark:ISO 2555
			Temperature: 25 °C
Solubility	Not available		
Partition coefficient: n-octanol/water	Not available		
Vapour pressure	Not available		
Density and/or relative density	1.70-1,90	g/l	Method:ISO 2811
			Temperature: 25 °C
Relative vapour density	Not available		
Particle characteristics	Not applicable		
9.2. Other information			
9.2.1. Information with regard to physical hazard	classes		
Information not available			
9.2.2. Other safety characteristics			
Total solids (250°C / 482°F)	29,52 %		
VOC (Directive 2010/75/EC)	1,08 %		
VOC (volatile carbon)	1,04 %		
SECTION 10. Stability and reactivit	t <b>v</b>		

## 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.



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## SECTION 10. Stability and reactivity

## 2-Aminoethanol

May react dangerously with: acrylonitrile, chloroepoxypropane, chlorosulphuric acid, hydrogen chloride, iron-sulphur compounds, acetic acid, acetic anhydride, mesityl oxide, nitric acid, sulphuric acid, strong acids, vinyl acetate, cellulose nitrate.

## 2-(2-Butoxyethoxy)ethanol

May react with: oxidising substances.May form peroxides with: oxygen.Develops hydrogen on contact with: aluminium.May form explosive mixtures with: air.

## 10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

## 2-Aminoethanol

- Avoid exposure to: air, sources of heat.
- 2-(2-Butoxyethoxy)ethanol
- Avoid exposure to: air.

## 10.5. Incompatible materials

## 2-Aminoethanol

- Incompatible with: iron, strong acids, strong oxidants.
- 2-(2-Butoxyethoxy)ethanol

## Incompatible with: oxidising substances, strong acids, alkaline metals.

## 10.6. Hazardous decomposition products

## 2-Aminoethanol

- May develop: nitric oxide,carbon oxides.
- 2-(2-Butoxyethoxy)ethanol
  - May develop: hydrogen.

## **SECTION 11. Toxicological information**

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

## Information on likely routes of exposure

2-(2-Butoxyethoxy)ethanol WORKERS: inhalation; contact with the skin.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### 2-(2-Butoxyethoxy)ethanol

May be absorbed by inhalation, ingestion and skin contact; is irritating for the skin and especially for the eyes. May cause damage to the spleen. At room temperature the danger of inhalation is unlikely, due to the low vapour pressure of the substance.

Interactive effects

#### Information not available

## ACUTE TOXICITY

ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)
2-Aminoethanol	
STA (Oral):	500 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
STA (Dermal):	1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
STA (Inhalation mists/powders):	1,5 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
STA (Inhalation vapours):	11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)
STA (Inhalation gas):	4500 ppm estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)



6560 mg/kg Rat

2700 mg/kg Rabbit

1150 mg/kg Mouse

> 2000 mg/kg Rat

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SECTION 11. Toxicological information .../>>

2-(2-Butoxyethoxy)ethanol LD50 (Oral): LD50 (Dermal):

1,2-Benzisothiazol-3(2H)-one LD50 (Oral): LD50 (Dermal):

Pyrithione Zinc LD50 (Oral): LD50 (Dermal): LC50 (Inhalation mists/powders): STA (Inhalation mists/powders): 269 mg/kg Rat > 2 mg/kg Rabbit 1,03 mg/l/4h 4 hours (Rat) 0,501 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

(figure used for calculation of the acute toxicity estimate of the mixture)

(figure used for calculation of the acute toxicity estimate of the mixture)

50,001 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

0,501 mg/l estimate from table 3.1.2 of Annex I of the CLP

 Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

 (3:1)

 LD50 (Oral):
 550 mg/kg Rat

 STA (Oral):
 100 mg/kg estimate from table 3.1.2 of Annex I of the CLP

1000 mg/kg Rat

0,31 mg/l Rat

LD50 (Dermal): STA (Dermal):

LC50 (Inhalation vapours): STA (Inhalation vapours):

## SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

#### SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

## **RESPIRATORY OR SKIN SENSITISATION**

May produce an allergic reaction. Contains: Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) 1,2-Benzisothiazol-3(2H)-one

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### **CARCINOGENICITY**

Does not meet the classification criteria for this hazard class

**REPRODUCTIVE TOXICITY** 

Does not meet the classification criteria for this hazard class

**STOT - SINGLE EXPOSURE** 

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### **ASPIRATION HAZARD**

Does not meet the classification criteria for this hazard class

#### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.



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## **SECTION 12. Ecological information**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

2-(2-Butoxyethoxy)ethanol	
LC50 - for Fish	1300 mg/l/96h
EC50 - for Crustacea	100 mg/l/48h
1,2-Benzisothiazol-3(2H)-one	
LC50 - for Fish	0,8 mg/l/96h Oncorhynchus mykiss (Ιριδίζουσα πέστροφα)
EC50 - for Algae / Aquatic Plants	4,4 mg/l/72h Daphnia magna (Νερόψυλλος ο μέγας)
<b>C</b> .	
Pyrithione Zinc	
LC50 - for Fish	0,0026 mg/l/96h Pimephales promelas
EC50 - for Crustacea	0,0082 mg/l/48h Daphnia magna
Chronic NOEC for Crustacea	0,00046 mg/l
Repetion many of: 5 oblars 2 methyd 4 isothiazalin 2	2 one IEC no. 247 500 71 and 2 methyl 24 insthiazol 2 one IEC no. 220 220 61 (2:1)
LC50 - for Fish	one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) 0,58 mg/l/96h
EC50 - for Algae / Aquatic Plants	0,161 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	0,032 mg/l 96h
	0,002 mg/ 00m
12.2. Persistence and degradability	
2-Aminoethanol	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
2 (2 Duteverthever) othered	
2-(2-Butoxyethoxy)ethanol Solubility in water	1000 - 10000 mg/l
Rapidly degradable	1000 - 10000 mg/i
Rapidly degradable	
Pyrithione Zinc	
Rapidly degradable	
	B-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
NOT rapidly degradable	30 %, Exposure time: 28 d, OECD Test Guideline 301B
12.3. Bioaccumulative potential	
12.0. Dioaccumulative potential	
2-Aminoethanol	
Partition coefficient: n-octanol/water	-2,3
2-(2-Butoxyethoxy)ethanol	
Partition coefficient: n-octanol/water	1
Pyrithione Zinc BCF	50
BCF	50
12.4. Mobility in soil	
2-Aminoethanol	
Partition coefficient: soil/water	-0,5646
12.5. Results of PBT and vPvB assessment	
On the basis of available data, the product does not	contain any PBT or vPvB in percentage ≥ than 0,1%.
	contain any i b i of vrvb in percentage = uidil 0,1%.
12.6 Endocrino disrupting properties	

## 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.



ΕN

SECTION 12. Ecological information ... /

## 12.7. Other adverse effects

Information not available

## **SECTION 13. Disposal considerations**

## 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## 14.1. UN number or ID number

Not applicable

## 14.2. UN proper shipping name

Not applicable

## 14.3. Transport hazard class(es)

Not applicable

## 14.4. Packing group

Not applicable

## 14.5. Environmental hazards

Not applicable

## 14.6. Special precautions for user

Not applicable

## 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

## **SECTION 15. Regulatory information**

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC:

None

Restrictions	relating	to the	product	or contained	substances	pursuant to	Annex X	(VII to E	EC Regulation	1907/2006
Product						•			-	

TIOUUCL	
Point	3 - 40
Contained substance	
Point	75

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors Not applicable

Substances in Candidate List (Art. 59 REACH)



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1 3

## SECTION 15. Regulatory information ... / >>

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Healthcare controls Information not available

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## **SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization



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## SECTION 16. Other information ...

- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

## CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified:



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SECTION 16. Other information ... / >>

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# DRUCKFARBEN HELLAS SA

**CLIMATOP Basic K12 White** 

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## **Safety Data Sheet**

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

SECTION 1. Identificat	tion of the sub	stance/mix	cture and of the	e company/undertaking
1.1. Product identifier				
Code: Product name		CC62104K12 CLIMATOP E	21 Basic K12 White	
1.2. Relevant identified uses of	f the substance or n	nixture and us	es advised against	
Intended use		Acrylic, fiber pasty form	r-reinforced, ready-to	o-use water-repellent decorative finishing render in
1.3. Details of the supplier of the	he safety data sheet	t		
Name Full address District and Country		DRUCKFARI MEGARIDOS 19300 Tel. Fax	BEN HELLAS SA S AVENUE ASPROPYRGOS GREECE +30 210 5519500 +30 210 5519501	(ΑΤΤΙΚΙ)
e-mail address of the compete responsible for the Safety Dat		psafety@dru		
1.4. Emergency telephone num	ıber			
For urgent inquiries refer to		0030-210-77	93777	
SECTION 2. Hazards id	dentification			
2.1. Classification of the subst	ance or mixture			
The product is not classified a However, since the product co sheet with appropriate informa	ontains hazardous su	ubstances in co	ncentrations such as t	egulation 1272/2008 (CLP). to be declared in section no. 3, it requires a safety data
Hazard classification and indic	cation:			
2.2. Label elements				
Hazard labelling pursuant to E	EC Regulation 1272/2	2008 (CLP) and	subsequent amendm	nents and supplements.
Hazard pictograms:				
Signal words:	-			
Hazard statements: EUH210 EUH208	2-r	eaction mass of methyl-2H-isoth 2-Benzisothiazo		isothiazolin-3-one [EC no. 247-500-7] and 20-239-6] (3:1)
Precautionary statements: P501 P102 P101 P312 P273	national / international	onal regulations of children. s needed, have ENTRE / doctor,	product container or la , if you feel unwell.	lisposal plant or recycled in accordance with local / label at hand.

ΕN



# DRUCKFARBEN HELLAS SA

**CLIMATOP Basic K12 White** 

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## SECTION 2. Hazards identification ... / >>

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\ge 0.1\%$ .

## **SECTION 3. Composition/information on ingredients**

x = Conc. %

#### 3.2. Mixtures

Contains:

Identification

Classification (EC) 1272/2008 (CLP)

•		es, isoalkanes, cyclics,	
INDEX	649-327-00-6	1≤x< 5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066, Classification note according to Annex VI to the CLP Regulation: P
EC	919-857-5		
CAS	64742-48-9		
REACH Reg.	01-2119463258-3	3	
1,2-Benzisoth	niazol-3(2H)-one (B	W20)	
INDEX	613-088-00-6	0 ≤ x < 0,05	Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
EC	220-120-9		Skin Sens. 1 H317: ≥ 0,05%
CAS	2634-33-5		LD50 Oral: 1150 mg/kg, STA Inhalation mists/powders: 0,051 mg/l
REACH Reg.	01-2120761540-6	0	
Reaction mas (3:1)	ss of: 5-chloro-2-m	ethyl-4-isothiazolin-3-o	one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]
INDEX	613-167-00-5	0 ≤ x < 0,0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071
EC	611-341-5		Skin Corr. 1C H314: ≥ 0,6%, Skin Irrit. 2 H315: ≥ 0,06%, Skin Sens. 1 H317: ≥ 0,0015%, Eye Dam. 1 H318: ≥ 0,6%, Eye Irrit. 2 H319: ≥ 0,06%
CAS	55965-84-9		STA Oral: 100 mg/kg, STA Dermal: 50,001 mg/kg, STA Inhalation vapours: 0,501 mg/l
REACH Reg.	01-2120764691-4	8	

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## **SECTION 4. First aid measures**

## 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

#### 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

## 4.3. Indication of any immediate medical attention and special treatment needed

Information not available

## **SECTION 5. Firefighting measures**

## 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular. ΕN



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## SECTION 5. Firefighting measures ... / >>

## 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

## 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

## 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## **SECTION 7. Handling and storage**

## 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s)

Information not available

## **SECTION 8. Exposure controls/personal protection**

#### 8.1. Control parameters

Regulatory references:

DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur
		Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των
		οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας
		2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με
		την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία''»



## SECTION 8. Exposure controls/personal protection ..../>>

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<b>Reaction mass</b>	of: 5-chloro-2	-methyl-4-is	othiazolin	-3-one [EC no.	247-500-7	] and 2-methyl-2H-isothiazol-3-one [EC no.
220-2	220-239-6] (3:1)					
<b>Threshold Limi</b>	it Value					
Туре	Country	TWA/8h		STEL/15r	min	Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	0,05				SKIN

## Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Threshold Limit	t Value								
Туре	Count	try TWA	4/8h	STEL/	15min	Remarks / C	bservations		
		mg/ı	m3 ppm	mg/m3	8 ppm				
TLV	GRC	1200	)						
lealth - Derived	d no-effec	t level - DN	IEL / DMEL						
		Effects on	consumers			Effects on wor	kers		
Route of expo	osure	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
		local	systemic	local	systemic		systemic	local	systemic
Oral				VND	300				
					mg/kg/d				
Inhalation				VND	900	VND	1500		
					mg/m3		mg/m3		
Skin				VND	300			VND	300
					mg/kg/d				mg/kg/d

Leaend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

## 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN ISO 16321).

**RESPIRATORY PROTECTION** 

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529. ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## **SECTION 9.** Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Properties Appearance Colour Odour Melting point / freezing point

Value pasty white characteristic Information Temperature: 25 °C Temperature: 25 °C



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## SECTION 9. Physical and chemical properties ..../>>

Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point > Auto-ignition temperature Decomposition temperature	not available not available not flammable not available not available 60 °C not available not available	Temperature: 0 °C
pH	9,2	Concentration: 100 %
Kinematic viscosity	10.500-23.500 mm2/s	Temperature: 25 °C Method:Converting Formula from Dynamic Viscosity & Density Temperature: 25 °C
Dynamic viscosity	20.000-40.000 mPas	Method:Spindle 7 mm @ 50 rpm Remark:ISO 2555 Temperature: 25 °C
Solubility	not available	
Partition coefficient: n-octanol/water	not available not available	
Vapour pressure Density and/or relative density	1.70-1,90 g/cm3	Method:ISO 2811
	1.70-1,00 g/0110	Temperature: 25 °C
Relative vapour density	not available	
Particle characteristics	not applicable	
9.2. Other information		
9.2.1. Information with regard to physical hazard c	lasses	
Information not available		
9.2.2. Other safety characteristics		
Total solids (250°C / 482°F)	29,52 %	

## SECTION 10. Stability and reactivity

## 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

## 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

## 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Avoid exposure to: heat.
Keep away from: oxidising agents.
10.5. Incompatible materials

## io.o. incompatible materials

Information not available

## 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.



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## SECTION 11. Toxicological information

SECTION 11. Toxicological information					
11.1. Information on hazard classes as defined in Regulation	on (EC) No 1272/2008				
Metabolism, toxicokinetics, mechanism of action and other information					
Information not available					
Information on likely routes of exposure					
Information not available					
Delayed and immediate effects as well as chronic effects from short and long-term exposure					
Information not available					
Interactive effects					
Information not available					
ACUTE TOXICITY					
ATE (Inhalation) of the mixture:	Not classified (no significant component)				
ATE (Oral) of the mixture: ATE (Dermal) of the mixture:	Not classified (no significant component) Not classified (no significant component)				
1,2-Benzisothiazol-3(2H)-one (BW20) LD50 (Dermal):	> 2000 mg/kg Rat				
LD50 (Oral):	1150 mg/kg Mouse				
	one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]				
(3:1) LD50 (Dermal):	1000 mg/kg Pot				
STA (Dermal):	1000 mg/kg Rat 50,001 mg/kg estimate from table 3.1.2 of Annex I of the CLP				
	(figure used for calculation of the acute toxicity estimate of the mixture)				
LD50 (Oral): 550 mg/kg Rat					
	0,31 mg/l Rat				
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic					
LD50 (Dermal):         > 5000 mg/kg Rabbit           LD50 (Oral):         > 5000 mg/kg Rat					
LC50 (Inhalation vapours):	> 20 mg/l/4h Rat				
SKIN CORROSION / IRRITATION					
Does not meet the classification criteria for this hazard class					
SERIOUS EYE DAMAGE / IRRITATION					
Does not meet the classification criteria for this hazard class					
RESPIRATORY OR SKIN SENSITISATION					
May produce an allergic reaction.					
Contains: Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [E0 1,2-Benzisothiazol-3(2H)-one (BW20)	C no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				
GERM CELL MUTAGENICITY					
Does not meet the classification criteria for this hazard class					
CARCINOGENICITY					
Does not meet the classification criteria for this hazard class					

REPRODUCTIVE TOXICITY



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## SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

#### **STOT - SINGLE EXPOSURE**

Does not meet the classification criteria for this hazard class

## STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

## **ASPIRATION HAZARD**

Does not meet the classification criteria for this hazard class

## 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## **SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

## 12.1. Toxicity

1,2-Benzisothiazol-3(2H)-one (BW20)	
LC50 - for Fish	0,8 mg/l/96h Oncorhynchus mykiss (Ιριδίζουσα πέστροφα)
EC50 - for Algae / Aquatic Plants	4,4 mg/l/72h Daphnia magna (Νερόψυλλος ο μέγας)
Reaction mass of: 5-chloro-2-methyl-4-isothiazol	in-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
LC50 - for Fish	0,58 mg/l/96h
EC50 - for Algae / Aquatic Plants	0,161 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	0,032 mg/l 96h
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, c	yclics, <2% aromatics
LC50 - for Fish	> 100 mg/l/96h Fish / Aquatic Invertebrates / Algae / Microorganisms

LC50 - for Fish> 100 mg/l/96h Fish / Aquatic Invertebrates / Algae / MicroorganismsEC50 - for Crustacea> 100 mg/l/48hEC50 - for Algae / Aquatic Plants> 100 mg/l/72hChronic NOEC for Fish> 0,1 mg/lChronic NOEC for Crustacea> 0,1 mg/l

## 12.2. Persistence and degradability

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) NOT rapidly degradable 30 %, Exposure time: 28 d, OECD Test Guideline 301B

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Rapidly degradable

#### 12.3. Bioaccumulative potential

Information not available

#### 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

## 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.



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## SECTION 12. Ecological information ... / >>

12.7. Other adverse effects

Information not available

## **SECTION 13. Disposal considerations**

## 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## **SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number or ID number

not applicable

## 14.2. UN proper shipping name

not applicable

## 14.3. Transport hazard class(es)

not applicable

## 14.4. Packing group

not applicable

## 14.5. Environmental hazards

not applicable

## 14.6. Special precautions for user

not applicable

## 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

## **SECTION 15. Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Product Point 40 Contained substance Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors not applicable

<u>Substances in Candidate List (Art. 59 REACH)</u> On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.



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## SECTION 15. Regulatory information ... / >>

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Healthcare controls Information not available

## 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

## **SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3 Acute Tox. 2 Acute Tox. 3 Acute Tox. 4 Asp. Tox. 1 Skin Corr. 1C Eye Dam. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1 H226 H310 H330 H301 H302 H304 H314 H318 H315 H317 H336 H400 H410 EUH066 EUH071	<ul> <li>Flammable liquid, category 3</li> <li>Acute toxicity, category 2</li> <li>Acute toxicity, category 3</li> <li>Acute toxicity, category 4</li> <li>Aspiration hazard, category 1</li> <li>Skin corrosion, category 1C</li> <li>Serious eye damage, category 1</li> <li>Skin sensitization, category 2</li> <li>Skin sensitization, category 1</li> <li>Specific target organ toxicity - single exposure, category 3</li> <li>Hazardous to the aquatic environment, acute toxicity, category 1</li> <li>Flammable liquid and vapour.</li> <li>Fatal in contact with skin.</li> <li>Fatal if inhaled.</li> <li>Toxic if swallowed.</li> <li>Harmful if swallowed.</li> <li>May be fatal if swallowed and enters airways.</li> <li>Causes serious eye damage.</li> <li>Causes serious eye damage.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>May cause drowsiness or dizziness.</li> <li>Very toxic to aquatic life with long lasting effects.</li> <li>Repeated exposure may cause skin dryness or cracking.</li> <li>Corrosive to the respiratory tract.</li> </ul>

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods

ΕN



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## SECTION 16. Other information ... / >>

- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

## GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Panlament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP) of the European Parliame
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
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- 14. Regulation (EU) 2018/669 (XI Atp. CLP) 15. Regulation (EU) 2019/521 (XII Atp. CLP)
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- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
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- 23. Delegated Regulation (UE) 2023/707
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

## Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

## CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.



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Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.